

CLAIMS

1. A portable communication device having a proximity contactless communication function, comprising:

5 an antenna for performing proximity contactless communication with an external proximity contactless communication device or an external proximity contactless communication card, the antenna being provided on a plurality of surfaces of a casing of the portable communication device,

10 wherein each of the antennas has at least one loop, and

wherein the antennas are coupled in series.

15 2. A portable communication device having a proximity contactless communication function, comprising:

an antenna for performing proximity contactless communication with an external proximity contactless communication device or an external proximity contactless communication card, the antenna being provided on a plurality of surfaces of a battery pack housed in a battery chamber of a casing of the portable communication device or on a plurality of surfaces of a lid portion for closing a battery chamber provided separately from the battery pack,

wherein each of the antennas has at least one loop,
and

wherein the antennas are coupled in series.

5 3. A portable communication device having a proximity
contactless communication function, comprising:

an antenna for performing proximity contactless
communication with an external proximity contactless
communication device or an external proximity contactless
10 communication card, the antenna being provided on a
plurality of surfaces of a main body portion of a battery
pack housed in a battery chamber of a casing of the portable
communication device or on a plurality of surfaces of
a lid portion which closes the battery chamber and is
15 provided integrally with the battery pack,

wherein each of the antennas has at least one loop,
and

wherein the antennas are coupled in series.

20 4. The portable communication device according to any
one of claims 1 to 3, wherein the antenna for the proximity
contactless communication includes an electromagnetic
interference suppression sheet on a side in opposite to
or near a communication surface thereof which opposes
25 to the proximity contactless communication device.

5. The portable communication device according to any one of claims 1 to 4, further comprising:

5 an antenna for a mobile phone for performing mobile phone communication; and

an antenna feeding point for the mobile phone, wherein the antenna for the mobile phone and the antenna feeding point are provided in separation from the antenna for the proximity contactless communication
10 by a required distance or more.